

31 DEC 1948

1948

Carmarthen Rural Sanitary Authority

Fifty-Seventh
Annual Report

of the Sanitary Conditions of the
Carmarthen Rural District
for the Year 1948

by

ELFYN T. JONES

B.Sc., M.R.C.S., L.R.C.P., D.P.H.



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PREFACE.

To the Chairman and Members of the Carmarthen Rural District Council.

Mr. Chairman and Gentlemen,

I beg to present my Annual Report for the year ending December 31st, 1948.

In my Annual Report for 1947, I laid stress upon the Council giving priority to certain projects which appear to me to be of vital importance to the health of the people in the district. These projects were: Housing; Water Supplies; Sewerage and Sewage Disposal, and it is gratifying to note the progress that has been made in 1948.

Seventy-one houses were completed for habitation, and another seventy-eight were under construction at the end of the year.

The Western Area Water Supply Scheme was approved in principle by the Welsh Board of Health, and also plans for Sewerage Schemes for Drefach, Trelech and Whitland, have been submitted to the Welsh Board of Health. A Sewerage Scheme is already in progress at Pontyates.

It is to be hoped that the other schemes will be brought into operation with the least delay, as they will provide amenities which are sadly lacking in the rural area.

I wish to gratefully acknowledge the work carried out by my staff, and to thank the Members of the Council for the whole-hearted manner in which they have supported me.

I wish to thank my colleagues and their staff for their continued support and help.

I am, Gentlemen,

Your obedient Servant,

ELFYN T. JONES,

Medical Officer of Health.

STAFF—PUBLIC HEALTH DEPARTMENT.

Medical Officer of Health :

Elfyn T. Jones, B.Sc., M.R.C.S., L.R.C.P., D.P.H.

Sanitary Inspectors :

Wm. Williams, M.S.I.A., M.R.San.I. (Meat Certificate). Senior.

H. E. Williams, M.S.I.A., A.R.San.I. (Meat Certificate). (Resigned 31/7/48).

W. D. Morgan, M.S.I.A., A.R.San.I.

Rodent Operators :

H. S. Adams.

D. J. Jones.

T. G. Evans (Temporary).

Clerks :

D. J. Lewis (Transferred to Carmarthenshire County Council, July, 1948).

D. J. G. Griffiths.

J. C. Jones (Transferred to Carmarthenshire County Council, July, 1948).

Clerk to the Rural District Council :

J. Jones, Esq.

Engineer and Surveyor to the Rural District Council :

G. G. Thomas, Esq.

SOCIAL CONDITIONS OF THE AREA.

The Carmarthen Rural District covers an area of 202,733 acres, and is divided into 29 Parishes, viz. :—Abergwili, Abernant, Conwil Elfed, Llanllawddog, Llanpumpsaint, Llanarthney, Llanddarog, Llangunnor, Llandefeilog, Llangendeirne, St. Ishmael, Llangain, Llangynog, Llanstephan, Newchurch, Laugharne Township, Llanddowror, Llanginning, Llanwinio, Mydrim, St. Clears, Trelech-ar-Bettws, Cilymaenllwyd, Henllanfallteg, Llandissilio-East, Eglwyscumin, Llanboidy, Pendine and Whitland.

The population of the area, as estimated by the Registrar-General for mid-year 1948 is 27,670, and statistics in this Report have been based upon this number, unless otherwise stated.

For Registration purposes, the area is divided into the following five Registration Sub-Districts :—

Abergwili and Llangain (Carmarthen Rural).
 Llangendeirne.
 St. Clears.
 Conwil.
 Llanboidy.

For Sanitary Administration purposes, the area is divided into three Divisions, and each is under the direct supervision of a Sanitary Inspector. The Divisions are as follows :—

Carmarthen Division	Parishes of Abernant, Conwil Elfed Llanpumpsaint, Llangain, Llan' gynog, Llanstephan, Newchurch Mydrim, Trelech-ar-Bettws, and, Part of St. Clears.
Llangendeirne	Parishes of Abergwili, Llanllawddog, Llanarthney, Llanddarog, Llan- gunnor, Llandefeilog, Llangendeirne, and St. Ishmael.
Whitland Division	Parishes of Laugharne Township, Llanddowror, Llanginning, Llan- winio, Cilymaenllwyd, Henllan- fallteg, Llandissilio-East, Eglwys- cumin, Pendine, Whitland, and Part of St. Clears.

The area is mainly agricultural, the inhabitants being engaged in farming and trades allied to it. Milk Factories are situated at Whitland, St. Clears, and Pensarn (Llangunnor). Portions of the Parishes of Llanarthney, Llanddarog and Llangendeirne border on the anthracite coalfield, and naturally, the main occupation of that area is coal mining. The Railways throughout the area provide employment for a large number, particularly in the Western Parishes around Whitland.

No particular occupation (coal mining excepted) can be said to have any prejudicial effect upon the health of the people.

The Rateable Value of the area is £62,318, the sum represented by a Penny Rate £260 0s. 0d., and the number of inhabited houses at the end of the year according to the Rate Book is 7,958.

Comparison for the last 5 years.

Year.	1944	1945	1946	1947	1948
Population	28480	28160	28230	28120	27670
Rateable Value	£65,520	£65,520	£65,539	£65,263	£62,318
Penny Rate	£273	£285	£273	£269/17/0	£260
Inhabited Houses	7790	7890	7898	7902	7958

VITAL STATISTICS.

BIRTHS.

Live Births :

	Males.	Females.	Total.
Legitimate	225	215	440
Illegitimate	11	8	19

There were 459 live births during the year, and this represents a birth rate of 16.58 per 1,000 estimated resident population.

Still-births :

	Males.	Females.	Total.
Still-births	7	4	11

Still-birth rate per 1,000 total (live and still) births is 23.40.

DEATHS.

	Males.	Females.	Total.
Deaths	162	180	342

Death rate per 1,000 of the population—12.35.

Comparison of Death-Rate with other areas.

Area.	Death- Rate 1946.	Death- Rate 1947.	Death- Rate 1948.
Carmarthen Rural District	12.78	11.59	12.35
England and Wales	11.5	12.0	10.8
126 County Boroughs and Great Towns (including London) ..	12.7	13.0	11.6
148 Smaller Towns	11.7	11.9	10.7

CAUSES OF DEATH, 1948.

Cause of Death (Civilians only).	Males.	Females.	Total.	Death-rate per 1,000 population
Typhoid & Paratyphoid fevers .....	.....	.....	.....	.....
Cerebro-spinal fever .....	.....	.....	.....	.....
Scarlet Fever .....	.....	.....	.....	.....
Whooping Cough .....	.....	.....	.....	.....
Diphtheria .....	.....	.....	.....	.....
Tuberculosis (Respiratory)	8	8	16	0.578
Tuberculosis (Other forms)	4	3	7	0.253
Syphilitic diseases .....	.....	1	1	0.036
Influenza	1	1	2	0.072
Measles .....	.....	2	2	0.072
Acute Poliomyelitis and Polio- encephalitis .....	.....	.....	.....	.....
Acute Infectious Encephalitis .....	.....	.....	.....	.....
Cancer (all sites)	14	19	33	1.193
Diabetes .....	.....	1	1	0.036
Intra-cranial vascular lesions.....	21	32	53	1.915
Heart disease	41	46	87	3.144
Other diseases of circulatory system	1	2	3	0.108
Bronchitis	8	13	21	0.759
Pneumonia	5	7	12	0.434
Other respiratory diseases	9	.....	9	0.325
Ulcer of stomach or duodenum	2	.....	2	0.072
Diarrhoea (under 2 years) .....	.....	1	1	0.036
Appendicitis	2	.....	2	0.072
Other digestive diseases .....	.....	3	3	0.108
Nephritis	16	10	26	0.939
Puerperal and post-abortive sepsis .....	.....	.....	.....	.....
Other maternal causes .....	.....	.....	.....	.....
Premature Births	4	1	5	0.181
Congenital malformations, birth injury, infantile disease	3	6	9	0.325
Suicide	2	.....	2	0.072
Road Traffic Accidents	1	.....	1	0.036
Other violent causes	4	3	7	0.253
All other causes	16	21	37	1.337
Total	162	180	342	12.35

Infant Mortality :

Deaths of Infants under one year of age (M. 7 ; F. 13)	20
Live Births during the year (Legitimate and Il- legitimate)	459
Death-rate of all Infants per 1,000 live births	43.57
Death-rate of Legitimate Infants per 1,000 legitimate live births	45.45
Death-rate of Illegitimate Infants per 1,000 illegitimate live births	0.00

Comparison of Infant Mortality Rates :

	1946	1947	1948
Carmarthen Rural District	53	33	43
England and Wales	43	41	34
126 County Boroughs and Great Towns (including London)	46	47	39
148 Smaller Towns	37	36	32

Causes of Infant Deaths :

Marasmus	0
Broncho Pneumonia	2
Prematurity	5
Gastro Enteritis	1
Whooping Cough	0
Convulsions	2
Bronchitis	1
Other Causes	9 (20)

Ages at which Infant Deaths occurred :

Under 1 week	12
1 week to 1 month	2
1 month to 3 months	2
3 months to 6 months	1
6 months to 9 months	3
9 months to 1 year	0
Total	20

Maternal Deaths :

Deaths from Puerperal and post-abortion sepsis	0
Deaths from other Maternal causes	0
Death-rate from all Maternal causes	0.00

Deaths from Cancer :

Total number of deaths from Cancer (all ages)	33
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Ages at Death from Cancer :

Under 5 years	0
5 to 15 years	0
15 to 25 years	0
25 to 35 years	0
35 to 45 years	2
45 to 55 years	5
55 to 65 years	6
65 years and over	20 (33)

Parts of the Body Involved :

Organ.	No. of Cases.		
	M.	F.	Total.
Buccal cavity and oesophagus (Males only)	—	—	—
Uterus (Females)	—	1	1
Stomach and duodenum	3	9	12
Breast	—	3	3
All other sites	11	6	17
			33

Deaths from Tuberculosis :

	Males.	Females.	Total.
Number of deaths from Tuberculosis (Pulmonary)	8	8	16
Number of deaths from Tuberculosis (Non-Pulmonary)	4	3	7
Death-rate per 1,000 population (Pulmonary)			0.578
Death-rate per 1,000 population (Non-pulmonary)			0.253

Tuberculosis—Rate per 1,000 Population of Notifications :

Year.	Notifications.
1944	1.12
1945	1.45
1946	1.27
1947	1.60
1948	1.59

**Distribution of Notifications and Deaths from Tuberculosis
during 1948 into Parishes.**

Parish.	NOTIFICATIONS.				No. OF DEATHS.			
	Pulmonary.		Non-Pulmonary.		Pulmonary.		Non-Pulmonary.	
	M.	F.	M.	F.	M.	F.	M.	F.
Abergwili	.....	3	1	1	1	.....	1	1
Abernant	.....	.....	.....	.....	.....	.....	.....	.....
Conwil Elfed	.....	.....	.....	.....	1	.....	.....	.....
Llanllawddog	1	.....	.....	.....	.....	.....	.....	.....
Llanpumpsaint	.....	.....	.....	.....	.....	.....	.....	.....
Llanarthney	1	2	1	1	2	1	.....	.....
Llanddarog	.....	.....	.....	.....	.....	.....	.....	.....
Llangunnor	.....	2	.....	.....	.....	1	.....	.....
Llandefeilog	.....	1	.....	.....	.....	1	.....	.....
Llangendeirne	2	2	.....	1	2	.....	1	1
St. Ishmael	2	1	.....	.....	1	1	.....	.....
Llangain	.....	1	1	.....	.....	.....	.....	.....
Llangynog	.....	.....	.....	.....	.....	.....	.....	.....
Llanstephan	1	.....	.....	.....	1	.....	.....	.....
Newchurch	1	1	.....	.....	.....	.....	.....	.....
Laugharne Town- ship	.....	.....	1	.....	.....	1	.....	.....
Llanddowror	.....	.....	.....	.....	.....	.....	.....	.....
Llanginning	.....	1	.....	.....	.....	.....	.....	.....
Llanwinio	.....	.....	1	.....	.....	.....	1	.....
Mydrim	.....	.....	.....	.....	.....	.....	.....	.....
St. Clears	1	1	2	2	.....	.....	.....	1
Trelech-ar-Bettws	.....	.....	.....	.....	.....	.....	.....	.....
Cilymaenllwyd	.....	.....	.....	.....	.....	1	.....	.....
Henllanfallteg	.....	.....	.....	.....	.....	.....	.....	.....
Llandissilio-East	.....	.....	.....	.....	.....	.....	.....	.....
Eglwyscumin	.....	.....	.....	.....	.....	.....	.....	.....
Llanboidy	.....	.....	.....	.....	.....	.....	.....	.....
Pendine	.....	1	.....	.....	.....	1	.....	.....
Whitland	5	1	1	.....	.....	1	1	.....
	14	17	8	5 (44)	8	8	4	3 (23)

Tuberculosis—Notifications and Withdrawals.

	MALES.		FEMALES.		Total.
	Pul-monary	Non-Pul-monary	Pul-monary	Non-Pul-monary	
Number of cases of Tuberculosis on the Register at the commencement of the year	89	45	85	38	257
Number of cases notified under the Tuberculosis Regulations for the first time during the year	13	6	15	3	37
Number of cases restored to the Register having been removed previously.....	0	0	0	0	0
Number of cases added to the Register and brought to notice otherwise than by formal notification	1	2	2	2	7
Number of cases removed from the Register during the year	9	5	12	4	30
Number of cases remaining on the Register at the end of the year, 1948.....	94	48	90	39	271

New Cases of, and Mortality from Tuberculosis, 1948.

Age Period in Years.	NEW CASES.				DEATHS.			
	Pulmonary.		Non-Pulmonary.		Pulmonary.		Non-Pulmonary.	
	M.	F.	M.	F.	M.	F.	M.	F.
0—1	0	0	0	0	0	0	0	0
1—5	1	0	0	1	0	0	0	1
5—15	1	1	4	0	0	0	1	0
15—25	4	9	0	0	0	2	0	0
25—35	2	4	1	2	1	2	1	0
35—45	2	2	1	1	2	2	0	1
45—55	2	0	0	0	0	0	0	0
55—65	1	0	1	1	3	1	1	1
65 and over	1	1	1	0	2	1	1	0
Totals	14	17	8	5	8	8	4	3

GENERAL PROVISION OF HEALTH SERVICES IN THE AREA.

Laboratory Facilities :

The Emergency Public Health Laboratory Service has continued to function during the year. It provides both a Bacteriological and Pathological Service, and has continued to play a vital part in the maintenance of the health of the community, particularly with regard to early diagnosis of Infectious Diseases, and the isolation of Infectious Disease " carriers."

Ambulance Facilities :

The Carmarthen Borough Division St. John Ambulance Brigade continued its Ambulance Service up to the advent of the new National Health Service Act in July, 1948, when the Service became the responsibility of the County Council. This Ambulance Service covered the following Parishes in the rural area in addition to the Borough of Carmarthen. The Parishes so served were Llangunnor, Llandefeilog, Llanddarog, Llanstephan, Llangynog, Llangain, Llanpumpsaint, part of Llangendeirne, St. Ishmael, Abergwili, Mydrim, Newchurch and St. Clears.

I should like to pay my final tribute to the members of the Division who so willingly gave their services voluntarily to maintain an Ambulance Service. The standard of their work and the efficiency, keenness and enthusiasm with which they maintained this Service cannot easily be forgotten.

I trust that the new organisation will maintain the high standard set up by these voluntary workers. Once again to them I say "Thank you, it was a job well done."

Home Nursing and Midwifery Services :

These services are undertaken in the Rural District by seventeen District Nurses under arrangements made by the County Council with the District Nursing Associations. The County Council employed directly a District Nurse/Midwife in the Mydrim and Trelech area where there is no Nursing Association.

Infant Welfare Centres :

At the end of 1948, there were nine Infant Welfare Centres for children under five years of age situated in the Rural District, viz. :—

Gorslas.	Whitland.
Llanstephan.	Pontyates.
Carmarthen.	Ferryside.
Efailwen.	Pendine.

Laugharne.

The following Infant Welfare Centres situated in the adjoining Districts also cater for children resident in the Carmarthen Rural District, viz. :—

Kidwelly.

Tumble.

Pontyberem.

Llandilo.

Pencader.

Ante-Natal Clinics :

At the end of the year Ante-Natal Clinics at Carmarthen, Kidwelly, Cross Hands and Llandilo were catering for the area of the Rural District.

Hospital Accommodation :

(i) Maternity :

Under the provisions of the National Health Service Act, 1946, the Welsh Regional Hospital Board became responsible for hospital accommodation as from the 5th July. The County Council Maternity beds at the Carmarthen Infirmary and the Penlan Maternity Unit are now administered by the West Wales Hospital Management Committee.

(ii) Infectious Diseases :

The Infectious Diseases Hospital is situated at Upper Tumble, near Llanelly, and is under control of the Regional Hospital Board since the advent of the National Health Service Act in July, 1948.

Venereal Diseases :

The Regional Hospital Board is now responsible for the treatment of Venereal Diseases. There are no clinics in the area of the Rural District, the nearest being at Llanelly. The Hospital Management Committee is responsible for the travelling expenses of patients unable to afford them.

Tuberculosis :

The question of Tuberculosis is unfortunately bound up with the housing conditions (in far too many cases deplorable) under which the persons affected live. Frequently, these persons have to return to most deplorable conditions after treatment in hospital, and any good the persons derive from their treatment is quickly undone by the conditions they return to. It is, therefore, most urgent that the question of speed be ever present before the Council when formulating their housing programme.

The Care of Unmarried Mothers and their Children :

Accommodation for ten expectant and ten nursing mothers is available at Plasnewydd Mothercraft Hostel, Burry Port. Patients are confined under the arrangements of the Regional Hospital Board. This Hostel was taken over by the County Council from the Women's Voluntary Services in August, 1947, and is available to patients resident in Carmarthenshire and other Health Authorities who have arrangements with the County Council for the reservations of Beds. Subject to beds being available, patients may also be admitted from other areas, provided the Health Authority concerned accept responsibility for the full cost of maintenance and treatment.

The County Council maintain close co-operation with the St. David's Diocesan Moral Welfare Committee.

SANITARY CIRCUMSTANCES OF THE AREA.

Housing :

During the year 71 houses were completed for habitation and another 78 houses were under construction.

Housing is still the greatest problem facing the Council, particularly in the more rural areas. It is disappointing to see the length of time taken to construct houses, houses of traditional type, and the possibility of adopting a prefabricated type will have to be carefully considered.

HOUSING.

Mr. G. G. Thomas, the Council's Engineer and Surveyor, reports as follows on the position at the end of the year 1948 :—

Parish.	Site.	Area of Site (Acres).	No. of Houses to be built.	In Tender.	No. of Houses under Construction	No. of Houses completed
Abergwili	Abergwili (i) ....	.5	4	...	...	4
Abernant	Abergwili (ii)	Earmarked	12	...	...	...
Conwil Elfed	Talog ....	.35	4	...	4	...
Llanllawddog	Abernant ....	.75	4	...	...	...
Llanpumpsaunt	Conwil Elfed	Earmarked	12	...	...	...
	Pontarsais ....	.51	3	...	...	...
	Llanpumpsaunt	.80	6	6	...	...
	Nebo ....	.50	4	...	...	...
Llanarthney	Gorslas	5.33	34	16	...	8
	Cefneithin	3.168	18	...	16	2
	Drefach	3.852	24	8	...	16
Llanddarog	Llanarthney	1.058	8	...	...	...
	Porthyrhyd	2.11	16	6	...	10
	Mynyddcerrig	2.32	8	...	8	...
Llangunnor	Pensarn	2.946	22	...	...	...
Llandefeilog	Llandefeilog	1.00	6	...	...	...
	Bancycapel	.50	4	...	...	...
Llangendeirne	Pontyates	5.39	28	12	16	...
	Carway	5.13	36	14	...	11
	Four Roads	1.10	8	...	...	...
	Crwbin	1.32	8	...	...	...
	Llangendeirne	1.088	8	...	...	...
St. Ishmael ...	Pontantwn	1.729	10	...	...	...
	Ferryside	6.46	20	...	...	...
	Llansaint	.95	8	...	...	...
Llangain	Smyrna	1.101	6	...	...	...
Llangynog	Ebenezer	.70	6	6	...	...
Llanstephan	Llanybri	2.320	14	...	...	...

Parish.	Site.	Area of Site (Acres).	No. of Houses to be built.	In Tender.	No. of Houses under Construction	No. of Houses completed
Newchurch	Esgair	.50	4	....	....	4
Laugharne Township	Bronwydd	Earmarked	8	....	....	....
	Laugharne	10.02	64	40 (Site works estimate approved).	....	....
Llanddowror	Llanddowror	.984	8	....	....	....
Llanginning	Llanginning	.952	6	....	....	....
Llanwinio	Brynawel	.65	4	....	....	....
Mydrim	Mydrim	2.29	12	4	8	....
St. Clears	Station Road	4.53	32	16	6	10
	High Street	Earmarked	32	....	....	....
Trelech-ar-Bettws	Bancryfelin	1.91	12	....	....	....
	Trelech	1.09	12	12	....	....
	Penybont	.50	4	4	....	....
	Glandy Cross and Other Sites	Earmarked	14	....	....	....
Cilymaenllwyd	Llanfallteg	Earmarked	6	....	....	....
Henllanfallteg	Clynderwen	2.68	20	....	....	....
Llandissilio-East	Llanboidy	Earmarked	12	....	....	....
Llanboidy	Henllan Amgoed	Earmarked	4	....	....	....
Eglwyscumin	Llanglydwen	Earmarked	2	....	....	....
	Three Gates	Earmarked	4	....	....	....
Pendine	Upper Pendine	.882	4	....	....	....
Whitland	North Road	4.525	26	....	20	6

Water Supply :

Mr. G. G. Thomas, the Council's Engineer and Surveyor, reports as follows on the position at the end of the year 1948 :—

“ During the year under review, a satisfactory supply of water^r was maintained generally in the areas where piped supplies are existent, with the exception of Whitland Town. Although it cannot be stated that this supply proved totally inadequate, the materialisation of the Western Area Water Supply Scheme is eagerly awaited to augment the existing supply.

In addition to the provision of adequate water supplies under pressure, particular attention has been paid to render such supplies wholesome. The normal practice of protecting sources from contamination has been carefully maintained and as a further safeguard, chlorinating plants are installed wherever practically possible. Periodical analysis of the water have proved the supplies to be satisfactory.

Included in the Council's post war reconstruction programme are three regional water supply schemes and two lesser schemes designed to provide water under pressure to villages and farms.

In the former category, the Western Area Water Supply Scheme, details of which have appeared in previous issues of this report, has been approved in principle by the Welsh Board of Health, and it is hoped that its construction will be commenced in the early Summer of 1949.

It is now intended to utilise the legendary moorland lake known as Llyn-Llech-Owain, as the source of supply for the proposed Eastern Area Water Supply Scheme. Constant vigilance has been kept on the source in an endeavour to calculate its yield and replenishing power under varying conditions.

The scheme will be submitted to the Welsh Board of Health during 1949.

Having paid particular attention to the Eastern and Western extremities of the Rural Area, the Council are truly conscious of the lack of piped supplies in other parts of the district. A source is being sought to serve the needs of residents in the North Eastern parishes of the district, namely Llanpumpsaint, Llanllawddog, Conwil, Newchurch and Abergwili.

Details of a water supply scheme to serve the needs of the villages of Cwmfelin-Mynach and Llanboidy in the parishes of Llanwinio and Llanboidy were approved by the Council and submitted to the Welsh Board of Health.

The Ministry approved the construction of a water supply scheme for the villages of Abergwili and Glangwili in the Parish of Abergwili. It is hoped that the Contract will commence in the Spring of 1949 and the scheme will be an accomplished fact within six months of the starting date.”

Dwelling Houses and number of population supplied from Public Water Mains are as follows :—

Parish.	Village.	Houses Supplied from Standpipes	Houses connected to mains.	Total.	Popula- tion.
Abergwili	Nantgaredig	16	4	20	90
Abernant	Talog	10	8	18	70
Pendine	Pendine .....	.....	45	45	300
Llanstephan	Llanstephan	50	102	152	680
Henllanfallteg	Llanfallteg	2	44	46	100
Whitland	Whitland	21	143	164	1900
Trelech-ar- Bettws	Trelech	3	16	19	110
Llangendeirne	Pontyates	24	176	200	1080
.....	Carway	4	61	65	330
St. Ishmael	Ferryside & Llansaint	60	154	214	1630
Llanarthney and Llanddarog	Gorslas, Cefneithin, Drefach, Foelgastell, Porthyrhyd, Llanddarog.	50	448	498	3700

Sampling of Water Supplies :

Sampling of water supplies is carried out by the Sanitary Inspectors, and is performed as carefully as possible.

Bacteriological examination of water is carried out at the Emergency Public Health Laboratory, Carmarthen, and Chemical examination is carried out by the Public Analyst at the County Hall, Carmarthen.

With the exception of one source, no supply has a plumbo-solvent action. The source referred to is treated by filtration through magnesite before entering the service mains, and tests of the water in these mains have not shown any plumbo-solvent action.

SAMPLES OF WATER TAKEN DURING THE YEAR FROM PUBLIC SUPPLIES.

Date.	Source.	Type of Examination.	Result.
5/1/48	Shallow Well, Whitemill	Bacteriological	Unsatisfactory.
5/1/48	Water from pipe supplies by land-spring (Capel Dewi)	"	Unsatisfactory.
5/1/48	Llanarthney Village Supply	"	Unsatisfactory.
5/1/48	Nantagredig Water Supply	"	Unsatisfactory.
6/1/48	Pontyates Supply	"	Unsatisfactory.
6/1/48	Pendine Public Supply (Chlorinated)	"	Satisfactory.
6/1/48	Pendine Public Supply (Raw)	"	Unsatisfactory.
6/1/48	Land Spring, Broadway, Laugharne	"	Unsatisfactory.
13/1/48	School Supply, Henllan Amgoed	"	Satisfactory.
13/1/48	Llanboidy Village Supply	"	Unsatisfactory.
13/1/48	Tap—Upper St. Clears	"	Unsatisfactory.
13/1/48	Whitland Public Supply	"	Unsatisfactory.
3/2/48	Well at Frogmore Street, Laugharne.	"	Unsatisfactory.
3/2/48	Well at Pontyfenni	"	Unsatisfactory.
3/2/48	Well at Laugharne School	"	Doubtful.
3/2/48	Shallow Well at Dolacors, Laugharne	"	Satisfactory.
20/2/48	Mansion Well, Laugharne	"	Satisfactory.
20/2/48	Spring at Red Roses	"	Satisfactory.
20/2/48	Shallow Well, Wembley Garage, St. Clears	"	Unsatisfactory.
20/2/48	Shallow Well, Newbridge, Laugharne	"	Satisfactory.
6/4/48	Eastern Supply—Llanstephan Village	"	Satisfactory.
6/4/48	Western Supply—Llanstephan Village	"	Satisfactory.
14/4/48	Overflow, Pendine (Raw Water)	"	Unsatisfactory.
14/4/48	Pendine Supply (Chlorinated)	"	Slight pollution.
14/4/48	Hydrant—Whitland Village	"	Unsatisfactory.
29/4/48	Shallow Well at Red Roses	"	Unsatisfactory.
29/4/48	Church Well, Laugharne	"	Satisfactory.
29/4/48	School Pump. Laugharne	"	Doubtful.
29/4/48	Whitland Supply	"	Satisfactory.

Date.	Source.	Type of Examination.	Result.
29/4/48	Pendine Public Supply (Chlorinated)	Bacteriological	Satisfactory.
29/4/48	Pendine Public Supply (Raw)	"	Satisfactory.
10/6/48	Pendine Public Supply (Chlorinated)	"	Unsatisfactory.
10/6/48	Pendine Public Supply (Raw)	"	Unsatisfactory.
17/6/48	Llanstephan Village—Western Supply	"	Unsatisfactory.
17/6/48	Llanstephan Village—Eastern Supply	"	Unsatisfactory.
23/6/48	Pendine Public Supply (Chlorinated)	"	Satisfactory.
23/6/48	Pendine Public Supply (Raw)	"	Unsatisfactory.
23/6/48	Whitland Public Supply	"	Satisfactory.
24/6/48	Llanstephan Village (Western Supply)	"	Unsatisfactory.
26/6/48	Llanstephan Village (Eastern Supply)	"	Unsatisfactory.
3/9/48	Pendine Public Supply (Chlorinated)	"	Satisfactory.
3/9/48	Pendine Public Supply (Raw)	"	Doubtful.
3/9/48	Pensarn Village Supply	"	Unsatisfactory.
8/10/48	Llansaint Village Supply	"	Unsatisfactory.
13/10/48	Pendine Public Supply (Raw)	"	Unsatisfactory.
13/10/48	Pendine Public Supply (Chlorinated)	"	Unsatisfactory.
22/10/48	Trelech Village Public Supply	"	Satisfactory.
4/11/48	Tap at Upper St. Clears	"	Unsatisfactory.
4/11/48	Vicarage, St. Clears	"	Unsatisfactory.
16/11/48	Carway Village Public Supply	"	Satisfactory.
23/11/48	Tap in yard at St. Clears	"	Unsatisfactory.
23/11/48	Pendine Public Supply (Chlorinated)	"	Satisfactory.
23/11/48	Pendine Public Supply (Raw)	"	Satisfactory.
23/11/48	Pump No. 1 at Llanddowror	"	Satisfactory.
23/11/48	Pump No. 2 at Llanddowror	"	Satisfactory.
23/11/48	Red Roses Public Water Supply	"	Satisfactory.
26/11/48	Stand Pump at Llanstephan Village	"	Unsatisfactory.

Domestic Connections to Farm Water Supply Systems :

Grant-aided Schemes of the County Agricultural Executive Committee

The Sanitary Inspectors have co-operated with the Water Supplies Officer of the Carmarthenshire Agricultural Executive Committee, and during the year they have taken samples of water for examination from proposed sources of supply.

Sewerage :

Mr. G. G. Thomas, the Council's Engineer and Surveyor, reports as follows :—

“ During 1948 several Sewerage Schemes received the Council's consideration and are enumerated as follows :—

1. Pontyates Joint Sewerage Scheme :

This scheme carried out jointly with the Llanelly Rural District Council is now under construction, and when completed, early in 1949, will serve the village of Pontyates in the Parish of Llangendeirne within this Rural District.

The number of properties to be served by this scheme will be approximately 214.

2. Drefach and District Joint Sewerage Scheme :

A further scheme has been approved by the Welsh Board of Health to be carried out jointly between the Llanelly Rural District Council and this Council to serve the villages situated in the industrial region of this district. The scheme will serve parts of the Parish of Llanarthney.

3. Cross Hands and District Sewerage Scheme :

Details of the above scheme, also proposed to be carried out jointly between this Council and Llanelly, have been submitted to the Welsh Board of Health and that Department's approval is now awaited. This scheme will serve a further part of the Parish of Llanarthney.

4. Whitland Sewerage Scheme :

A scheme has been designed, approved and submitted to the Welsh Board of Health, of a Sewerage Scheme to serve Whitland Town.

5. Trelech Sewerage Scheme :

Approval is also awaited from the Welsh Board of Health to a sewerage scheme for the village of Trelech in the Parish of Trelech-ar-Bettws.

6. Ferryside Sewerage Scheme :

Preparatory work is in hand towards a sewerage scheme for the seaside village of Ferryside in the Parish of St. Ishmael, and similarly a scheme is being designed for :—

7. Llansaint Village :

Also situated in the Parish of St. Ishmael.

REFUSE COLLECTION.

The system of direct labour for scavenging in the Eastern area of the Rural District was maintained, and in April was extended to cover the Western area of the Rural District.

In addition to substituting for the former system of collection by contract, the scheme provided a refuse collection for areas which previously had none.

The scheme is carried out more efficiently than by the old system of collection and is undoubtedly an improved service for the rate-payers.

MOVEABLE DWELLINGS.

No licences for the use of moveable dwellings were issued during the year 1948.

RODENT CONTROL.

The Rodent Control Scheme has been maintained at a very high level during the year under the control of the Rodent Operators and with the co-operation of the district Sanitary Inspectors. As far as possible the work was carried out in a regular and systematic manner and the rural area was adequately covered.

The technique adopted in control measures is that recommended by the Ministry of Food, with zinc Phosphide and Red Squill as the principal poisons, and sausage rusk as the pre-bait medium. Gassing was resorted to in certain instances.

A brief summary of the work done during the year is as follows :—

1. Premises dealt with on a Contract basis	38
2. Premises dealt with by payment (other than contract)	33
3. No. of treatment to Business Premises	124
4. No. of treatment to Dwelling Houses	71
5. No. of treatment to Council Properties	41

The estimated " kill " (according to the Ministry of Food formula) is as follows :—

	Rats.	Mice.
Under 3 above	1646	627
Under 4 above	432	—
Under 5 above	480	7
	<hr/>	<hr/>
	2558	634
	<hr/>	<hr/>

Administration of the Factories Act, 1937 :

Duties of the Sanitary Authority under the Factories Act have been carried out by the Sanitary Inspectors as part of their routine work, and a close liaison has been maintained with the Inspector of Factories.

Part 1 of the Act.

1. INSPECTIONS for purposes of provisions as to health (including inspections made by Sanitary Inspectors).

Premises. (1)	M/c. line No. (2)	Number on Register. (3)	Number of			M/c. line No. (7)
			Inspections. (4)	Written Notices. (5)	Occupiers prosecuted. (6)	
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	1	62	24	Nil.	Nil.	1
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	2	82	33	Nil.	Nil.	2
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	3	Nil.	Nil.	Nil.	Nil.	3
Total		144	57	Nil.	Nil.	

2. Cases in which DEFECTS were found.

Particulars. (1)	M/c. line No. (2)	Number of cases in which defects were found.				Number of cases in which prosecutions were instituted. (7)	M/c. line No. (8)
		Found. (3)	Remedied. (4)	Referred.			
				To H.M. Inspector. (5)	By H.M. Inspector. (6)		
Want of cleanliness (S.1)	4	Nil	Nil	Nil	Nil	Nil	4
Overcrowding (S.2)	5	Nil	Nil	Nil	Nil	Nil	5
Unreasonable temperature (S.3)	6	Nil	Nil	Nil	Nil	Nil	6
Inadequate ventilation (S.4)	7	Nil	Nil	Nil	Nil	Nil	7
Ineffective drainage of floors (S.6)	8	Nil	Nil	Nil	Nil	Nil	8
Sanitary Conveniences (S.7) :—							
(a) insufficient	9	1	1	Nil	Nil	Nil	9
(b) Unsuitable or defective	10	1	1	Nil	Nil	Nil	10
(c) Not separate for sexes	11	Nil	Nil	Nil	Nil	Nil	11
Other offences against the Act (not including offences relating to Outwork)	12	Nil	Nil	Nil	Nil	Nil	12
Total		2	2	Nil	Nil	Nil	

Part VIII of the Act.

Outwork

(Sections 110 and 111).

The return required under Part VIII. of the Act is " Nil."

SCHOOLS.

The Local Education Authority is the County Council. There are 57 Primary Schools (60 Departments) and 2 Secondary Schools within the Rural area. Two Senior Departments were opened at St. Clears and Ferryside.

Schools closed on account of Infectious Diseases :

The Cwmdudud County Primary School was closed from the 2nd to the 20th June on account of an epidemic of measles.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASES.

Diphtheria :

It is gratifying to be able to again record that no case of diphtheria occurred during the year. This fact emphasises the great benefit immunisation has conferred on the population.

Infantile Paralysis :

During the year 1 male and 5 female cases were notified as suffering from the disease—this is 4 cases less than in the previous year. One of these cases was under 10 years of age, two were over 10 but under 15, and the other three cases were over 15 but under 25 years. All these patients were isolated in hospital. There were no deaths.

INFECTIOUS DISEASES.

Number of Cases of Infectious Diseases originally notified during the year 1948, and of the final numbers according to Sex and Age after Corrections subsequently made either by Notifying Medical Practitioner or by the Medical Superintendent of the Infectious Diseases Hospital :—

[illegible]

Distribution of Notifiable Diseases into Parishes :

Parish.	NOTIFIABLE DISEASE.									
	Scarlet Fever	Measles	Pneumonia	Puerperal Fever	Ac. Ant. Poliomylitis	Ac. Ant. Encephalitis	Whooping Cough	Cerebro-spinal Fever	Erysipelas.	Ophthalmia Neonatorum
Abergwili	2	15	.....	.....	.....	.....	6	.....	.....	.....
Abernant	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Conwil Elfed	1	5	.....	.....	.....	.....	.....	.....	.....	.....
Llanllawddog .....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....
Llanpumpsaint	1	.....	.....	.....	1	.....	.....	.....	.....	.....
Llanarthney	5	.....	.....	.....	1	.....	.....	.....	.....	.....
Llanddarog	1	.....	.....	.....	2	.....	.....	.....	1	.....
Llangunnor .....	.....	.....	.....	.....	.....	.....	4	.....	.....	.....
Llandefeilog	1	.....	.....	.....	1	.....	7	.....	.....	.....
Llangendeirne	3	2	1	1	.....	.....	.....	.....	.....	.....
St. Ishmael .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Llangain .....	.....	7	.....	.....	.....	.....	1	.....	.....	.....
Llangynog	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Llanstephan	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Newchurch .....	.....	3	.....	.....	1	.....	.....	.....	.....	.....
Laugharne .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Llanddowror .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Llanginning .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Llanwinio .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mydrim	2	3	.....	.....	.....	.....	.....	.....	.....	.....
St. Clears	4	15	.....	.....	.....	.....	.....	.....	.....	.....
Trelech-ar-Bettws .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Cilymaenllwyd .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Henllanfallteg .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Llandissilio-East .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eglwyscumin .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Llanboidy .....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
Pendine .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Whitland .....	.....	1	.....	.....	.....	.....	1	.....	.....	.....
Total	24	54	1	1	6	.....	20	.....	1	1
Number of cases Isolated at home	9	51	1	.....	.....	.....	19	.....	.....	.....
Number of cases re- moved to Isolation Hospital	15	3	.....	1	6	.....	1	.....	1	1

DIPHTHERIA IMMUNISATION.

Children aged 5-15 years :

Number immunised during the year—77.

Children under 5 years of age :

Number of children 0 to 5 years of age who were immunised during the year—433.

Total number of children who were given a secondary or re-inforcing injection, i.e., subsequent to complete full course, during the year :—

Children 0-14 years of age—428.

On 5th July, 1948, this function was transferred to the County Council, and ceases in future to be the responsibility of the Rural District Council.

FOOD POISONING.

No cases of food poisoning were notified during the year.

INSPECTION AND SUPERVISION OF FOOD.

Milk Production :

On the whole the standard of cleanliness in milk production was good, though some farms still lag behind.

Close co-operation was still maintained between the Advisory Officers of the County Agricultural Executive Committee and the Sanitary Inspectors, and there is no doubt that their united efforts are having the desired results.

It is gratifying to note that the farmers themselves are anxious to maintain a high standard of cleanliness, and their co-operation is a pleasant feature of the work.

Foodstuffs condemned by the Sanitary Inspectors at Shops, etc. (excluding the Slaughterhouse) :

Beef—153½ lbs.	Dried Peaches—20 lbs. 14 ozs.
Tinned Beef—48 lbs.	Various Foodstuff—56 tins.
Corned Beef—22 lbs.	Evaporated Milk—18 (14½ oz.) tins.
Ham—11½ lbs.	Sweets—26 lbs. 10 ozs.
Bacon—77½ lbs.	Apricots—14 lbs. (Tinned).
Tomatoes—6 lbs. (Tinned).	Cake Mixture—1 lb.

LICENCES HELD IN THE RURAL DISTRICT AREA UNDER THE MILK (SPECIAL DESIGNATIONS) ORDERS, 1936—1947.

Tuberculin Tested Milk :

Number of Tuberculin Tested Milk Licences	.....	338
Number of Dealers' Licences	.....	3

Accredited Milk :

Number of Accredited Milk Licences	.....	381
Bottling Licences in respect of premises other than places of production	.....	Nil

Pasteurised Milk :

Number of Pasteurised Milk Licences	.....	2
Number of Dealers' Licences	.....	Nil
Licences issued in respect of " Holder " system of Pasteurisation	.....	Nil
Licences issued in respect of " High Temperature Short Time " system of Pasteurisation	.....	2

Milk Sampling :

Sampling of Tuberculin Tested and Accredited Milk was carried out by the County Council. Sampling of Pasteurised and Ungraded Milk was carried out by the Sanitary Inspectors. The number of samples taken and results is as follows :—

	Number Unsatis- factory.	Number Satis- factory.	Total.
Samples of Tuberculin Tested Milk sent for bacteriological examin- ation	220	416	636
Samples of Accredited Milk sent for bacteriological examination	307	477	784
Samples of Ex-designated Milk sent for bacteriological examination	24	30	54
Samples of Pasteurised Milk sent for examination	3	15	18
Samples of Ungraded Milk sent for bacteriological examination	66	102	168

In addition, 16 Tuberculin Tested Milk samples were taken by the Sanitary Inspectors, 13 of which were satisfactory and the remaining 3 unsatisfactory. Four of these samples were taken on behalf of the Welsh Board of Health. These 4 samples were satisfactory.

THE FOOD AND DRUGS ACT.

The Food and Drugs Authority for the area is the County Council. Mr. D. R. Watkins, Chief Inspector of the County Council reports as follows on work done during the year under the above Act in the area of the Carmarthen Rural District :—

Total number of samples taken	137
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Milk :

Number taken	106
Genuine	82
Certified to contain added water	6
Certified deficient in fat	18

Legal proceedings were taken against a retailer in respect of a sample which was certified to contain 10% added water. A fine of £2 with £2 costs was imposed.

The added water in the remaining samples ranged between 1% and 5% and in each case the actual quantity of water was very small so that the vendors were let off with a caution.

Legal proceedings were instituted in respect of one sample which was 16% deficient in fat and a fine of £5 with £2 costs was imposed.

The deficiencies in fat in the other samples ranged between 1% and 31%. The samples which were over 10% deficient were followed up with "appeal to cow" samples taken at the farm and in each case these samples were also below standard, so that legal proceedings were not instituted against the vendors. Where the samples were less than 10% deficient, it was considered that a caution would suffice in the circumstances.

Miscellaneous Articles of Food :

Number taken	27.	Genuine	26
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A sample of Gravy Powder was infested with Meal Mite. The Shop-keeper was warned and the remaining stocks disposed of in a manner other than for human consumption.

Spirits :

Two samples of whisky were tested and both were found to be genuine.

Drugs :

Number taken : 2—Both were genuine.

Defence Regulation 55G. Pasteurised and Heat Treated Milk :

39 samples were taken at creameries. 38 were satisfactory and one unsatisfactory.

Milk (Special Designations) Orders, 1936—1946.**Tuberculin Tested :**

	Number taken.	Satisfactory.	Un-satisfactory.
1st Quarter	100	84	16
2nd Quarter	160	122	38
3rd Quarter	175	84	91
4th Quarter	201	126	75
Total	636	416	220

Accredited :

	Number taken.	Satisfactory.	Un-satisfactory.
1st Quarter	124	98	26
2nd Quarter	195	134	61
3rd Quarter	213	101	112
4th Quarter	252	144	108
Total	784	477	307

Ex-Designated (Licences revoked) :

	Number taken.	Satisfactory.	Un-satisfactory.
1st Quarter	12	6	6
2nd Quarter	10	8	2
3rd Quarter	10	6	4
4th Quarter	22	10	12
Total	54	30	24

MEAT INSPECTION.

There is no change regarding the method adopted for meat inspection. Centralised slaughtering is carried out at the Carmarthen Borough Abattoir.

The Sanitary Inspectors, in conjunction with the Sanitary Inspector for the Borough of Carmarthen, attend the Abattoir and carry out an inspection of the carcasses slaughtered.

Slaughter of Animals Act, 1933 :

There are 4 licenced slaughtermen within the area.

SANITARY INSPECTION OF THE AREA.

For the purposes of Sanitary Inspection, the area is divided into three districts, with a Sanitary Inspector for each district.

Carmarthen District—Wm. Williams, Senior Sanitary Inspector.

Llangendeirne District—H. E. Williams, Sanitary Inspector
(Resigned 31/7/48).

St. Clears District—W. D. Morgan, Sanitary Inspector.

Each Sanitary Inspector works under the general direction of the Medical Officer of Health, and makes a report on his area each month to the Council.

Record of Visits for 1948 :—

Nature of Visit or Inspection.	Carmarthen District.	Llangendearne District.	St. Clears District.	Total.
GENERAL SANITATION				
Water Supplies	75	24	91	190
Drainage	82	18	65	165
Offensive Trades	2	.....	10	12
Tents, Vans, Sheds	10	9	20	39
Bakehouses	3	4	10	17
Public Conveniences	24	2	8	34
Refuse Collection	30	4	20	54
Refuse Disposal	43	4	29	76
Rats and Mice	6	2	7	15
Schools	7	1	9	17
Miscellaneous Sanitary Visits	23	6	15	44
HOUSING				
Under Public Health Acts.				
Number of Houses inspected	40	53	46	139
Visits paid to above houses	74	56	83	213
Under Housing Acts.				
Number of Houses inspected	70	207	164	441
Visits paid to above houses	248	210	205	663
Overcrowding.				
Number of Houses inspected	10	6	4	20
Visits paid to above houses	10	6	5	21
Verminous Premises.				
Number of Houses inspected	5	.....	.....	5
Visits paid to above houses	7	.....	.....	7
Miscellaneous Housing Visits	98	.....	27	125
Infectious Diseases.				
Inquiries in cases of Infectious Diseases	18	10	10	38
Miscellaneous Infectious Disease Visits	6	.....	2	8
Number of rooms disinfected.....	20	10	12	42
Number of times Steam Disinfector used .....	.....	.....	.....	.....

Nature of Visit or Inspection.	Carmarthen District.	Llangendearne District.	St. Clears District.	Total.
MEAT & FOOD INSPECTION				
Inspection of Meat and Meat Shops.				
No. of visits to Central Slaughterhouse in the Borough of Carmarthen	6	10	.....	16
No. of visits to Shops and Stalls	5	6	19	30
No. of visits to Butchers	3	.....	9	12
Milk and Dairies Orders.				
No. of producers in area	250 in whole area.			
No. of retail purveyors in area	260 in whole area.			
No. of visits to cowsheds	106	25	86	217
No. of new cowsheds provided	3	.....	3	6
No. of cowsheds reconditioned	49	6	27	82
NOTICES SERVED.				
Under the Housing Acts.				
No. of informal notices served	32	2	20	54
No. of informal notices complied with	31	1	10	42
No. of formal notices served .....	.....	1	1	2
No. of formal notices complied with .....	.....	.....	1	1
Under the Public Health Acts.				
No. of informal notices served	25	4	14	43
No. of informal notices complied with	23	3	8	34
No. of formal notices served	8	.....	1	9
No. of formal notices complied with	6	.....	1	7
Under the Milk and Dairies Orders.				
No. of informal notices served .....	.....	.....	.....	.....
No. of informal notices complied with .....	.....	.....	.....	.....





